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## Patent Abstracts of Japan

PUBLICATION NUMBER : 05200224  
PUBLICATION DATE : 10-08-93

APPLICATION DATE : 17-01-92  
APPLICATION NUMBER : 04027343

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INT.CL. : B01D 53/04 A61L 9/16 D06M 23/08 // D21H 21/14 D21H 21/34

TITLE : SHEET LIKE ADSORBENT HAVING MAGNETISM AND FIRE RETARDANCY

ABSTRACT : PURPOSE: To impart various shapes by post-processing by dispersing an adsorbent and a powder of a magnetic material and/or a powder of a fire retardant material in an emulsion based on latex, carboxy methyl cellulose and water and adding the resulting dispersion to a sheet to form a sheet like adsorbent.

CONSTITUTION: An adsorbent powder such as activated carbon and a powder of a magnetic material such as ferrite and/or a powder of a fire retardant material such as aluminum hydroxide are dispersed in an emulsion based on latex, carboxy methyl cellulose and water. This dispersion is infiltrated in a sheet and the impregnated sheet is degassed to form a sheet like adsorbent. This sheet like adsorbent is molded into a corrugated cardboard shape or a honeycomb shape to be reduced in its pressure loss and increased, in its adsorbing speed.

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